DEPARTMENT OF MICROBIOLOGY	
Name	**Dr.S. SIVASANKARI**
Designation	**GUEST LECTURER**
Qualification	**M.Sc., Ph.D., NET., DMLT.,**
Date of Birth & Age as on 31-05-2024	04.11.1990, 34YEARS OLD
Working experience as on 31-05-2024	1 YEAR 8 MONTH
Research experience: Field of interest/ Area of specialization	"Studies on the development Spirulina SCP stress tolerant strains for mass cultivation in sea water"
Research Scholars	NIL
Details of Papers/Books Published	BOOK CHAPTER-1, 8 ➢ Sivasankari, S., Naganandhini, N., &Ravindran, D. (2014). Comparison of different extraction methods for phycocyanin extraction and yield from Spirulina platensis.https://scholar.google.com/scholar?oi=bibs&cluster=16749511944833895919&btnI=1&hl=en ➢ Vinoth, M., Sivasankari, S., Ahamed, A. K. K., Al-Arjani, A. B. F., Abd_Allah, E. F., &Baskar, K. (2020). Biological soil crust (BSC) is an effective biofertilizer on Vignamungo (L.). *Saudi Journal of Biological Sciences*, *27*(9), 2325-2332.https://scholar.google.com/scholar?oi=bibs&cluster=11311246097286860 92&btnI=1&hl=en ➢ Sivasankari, S., Vinoth, M., Ravindran, D., Baskar, K., Alqarawi, A. A., &Abd_Allah, E. F. (2021). Efficacy of red light for enhanced cell disruption and fluorescence intensity of phycocyanin. *Bioprocess and biosystems engineering*, *44*, 141-150.https://scholar.google.com/scholar?oi=bibs&cluster=6235668506564717219&btnI=1&hl=en ➢ Sivaprakasam, S., Mani, V., Balasubramaniyan, N., & Abraham, D. R. (2021). CyanobacterialPhytochromes in Optogenetics. *Epigenetics to Optogenetics-A New Paradigm in the Study of Biology. London*.https://scholar.google.com/scholar?oi=bibs&cluster=10872117293447942204&btnI=1&hl=en ➢ Vinoth, M., Sivasankari, S., Ahamed, A. K. K.,

	Alsamhary, K. I., Al-Enazi, N. M., Abdel-Raouf, N., ...&Sholkamy, E. N. (2023). Bio-characterization and liquid chromatography–mass spectrometry analysis of exopolysaccharides in biofilm-producing cyanobacteria isolated from soil crust: Exploring the potential of microalgal biomolecules. *Biology*, *12*(8), 1065.https://scholar.google.com/scholar?oi=bibs&cluster=18153441547964456 12&btnI=1&hl=en ➢ Impact of Spectral Character on Quality Assurance and Stability of SpirulinaphycocyaninAMDRA Sivasankari S1*, Vinoth M2, Naganandhini M1 ➢ International Journal of Proteomics & Bioinformatics 5 (1), 001-004 ➢ https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zj1M_QUAAAAJ&citation_for_view=zj1M_QUAAAAJ:Wp0gIr-vW9MC ➢ Anovel innovative approaches of using microalgae as scrubber model for CO2 sequestration and biogas purification, sivasankari.s and David ravindran,2014, International Journal of Advanced Technology & Engineering Research (IJATER)175- 179 ➢ https://scholar.google.com/citations?view_op=view_citation&hl=en&user=zj1M_QUAAAAJ&citation_for_view=zj1M_QUAAAAJ:u-x6o8ySG0sC ➢ Optimization of the growth parameters of SpirulinaPlatensis for phycocyanin extraction purification and application,Sivasankari, S., David Ravindran, A. xvii, 149p.http://hdl.handle.net/10603/344217
Details of participation in conferences/seminar/Symposium	• "Efficacy of extraction method forphycocyanin concentration and yield from Spirulinaplatensis wet biomass" in theNational symposium on Science and technology for human developmentorganized by Pondicherry University and ISCA Pondicherry • "Carbon dioxide sequestrationusing microalgae" in the National conference on Recent advances in Algology,Mycology and plant pathology held at Centre for Advanced studies in Botany,University of Madras, Chennai, • "Nanoencapsules for the delivery ofpesticide in the conference on implementation of Nanotechnology in food processing" conducted by PavendarBharathidasan College Of Engineering &ampTechnology. • International Conference On Microalgal And Cyanobacterial Biotechnology "Impact Of Red Light AndMedia Quality OnPhycobilisome Biosynthesis In SpirulinaPlatensis" National Facility For Marine Cyanobacteria, Bharathidasan University

Details of conferences/ workshop/Seminars/Symposium organized	➢ Two days Workshop on "Protein isolation purification & analysis by SDS-PAGE"
Awards and Achievements	• Won gold medal for the university first rank holder in UG microbiology • Won gold medal for the university first rank holder in PG microbiology • Best artist award in southern district level • Best poster award for the paper entitled "Nanoencapsules for the delivery of • pesticide in the conference on implementation of Nanotechnology in food • processing" • Best poster award for the paper entitled "Efficacy of extraction method for • phycocyanin concentration and yield from Spirulinaplatensis wet biomass" in the • National symposium on Science and technology for human development • organized by Pondicherry University and ISCA Pondicherry • Best oral presentation award for the paper entitled "Carbon dioxide sequestration • using microalgae" in the National conference on Recent advances in Algology, • Mycology and plant pathology held at Centre for Advanced studies in Botany, • University of Madras, Chennai, • Department of Science and Technology (DST) New Delhi - INSPIRE Fellowship • IF140666
Administrative responsibilities in college	NIL
Membership in Academic/Professional bodies	NIL
Residential/Communication address	Name: Dr.S.Sivasankari W/O Dr.M.Vinoth, 101A, Ambedkarnagar, New Colony, Sendurai, Ariyalur (D.T), Pin code: 621714 Mobile No.:8610101165, 8680809299, 8608623668 Email Id: san.s41190@gmail.com
Other information, if any	NIL